

### AMENDMENTS TO THE CLAIMS

The following listing of claims will replace all prior versions and listings of claims in the application:

1. **(currently amended)** An evaporator for a refrigeration system, comprising a tube provided with fins and bent in the form of a coil, the coil conducting a refrigerating fluid therewithin and comprising tube portions (20a) arranged in parallel to each other and rows that each define a plane which are is substantially perpendicular transversal to the direction of a forced airflow (F) that passes externally through the evaporator (10), from a first end region (11) of air admission to a second end regions (12) of air outlet of the evaporator (10), characterized in that the tube (20) has its tube portions (20a) arranged as a coil (S), having an inlet end (21) provided in the second end region (12) of the evaporator (10), and an [[a]] outlet end (22) provided in the first end region (11) of the evaporator (10)-, so that the refrigerating fluid flows through the coil (S) in counterflow in relation to the forced airflow (F).

2. **(currently amended)** An evaporator according to claim 1, characterized in that the coil ~~comprises several~~ parallel rows of tube portions (20a) ~~that are connected in series at the opposite ends thereof,~~ and paired tube portions defining each of the parallel rows are alternatingly staggered along their respective planes.